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Engineered protein tyrosine phosphatase beta catalytic domain

**Characteristics**

Release Date: 27-Jun-2006 Exp. Method:

**Classification**

Hydrolase

**Compound**

Polymer: 1 Molecule: Receptor-type tyrosine phosphatase beta Fragment: catalytic

**Authors**

Mutation: yes Chains: A EC no. 3.1.3.4  
 Evdokimov, A.G., Pokross, M., Wall R., Mekel, M.

☒ 2hfp



Crystal Structure of PPAR Gamma with N-sulfonyl-2-indole carboxamide ligands

**Characteristics**

Release Date: 19-Sep-2006 Exp. Method:

**Classification**

Transcription

**Compound**

Polymer: 1 Molecule: Peroxisome proliferator-activated receptor gamma Domain (residues 234-505) Fragment: I  
 Polymer: 2 Molecule: SRC Peptide Fragment: B  
 Chains: A

**Authors**

Pokross, M.E., Evdokimov, A.G., Wall R.L., Mekel, M.J., Hopkins, C.R.

☒ 2hk5



Hck Kinase in Complex with Lck targeted Inhibitor PG-1009247

**Characteristics**

Release Date: 05-Sep-2006 Exp. Method:

**Classification**

Resolution: 2.00 Å

**Compound**

Polymer: 1 Molecule: Tyrosine-protein kinase Fragment: Kinase Domain (Residues 240-340)  
 Chains: A EC no.: 2.7.10.2

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|                                                                                     |                                                                                     |                                                                                                                                                                                                                                                      |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Authors</b>                                                                      | Walter, R.L., Mekel, M.J., Evdokimov, A.G., Pokross, M.E., Sabat, M.P.              |                                                                                                                                                                                                                                                      |  |
| <input checked="" type="checkbox"/> 2i3r                                            |    | <b>Engineered catalytic domain of protein tyrosine phosphatase HPTPbeta</b>                                                                                                                                                                          |  |
|    | <b>Characteristics</b>                                                              | Release Date: 29-Aug-2006 Exp. Method: Resolution: 1.85 Å                                                                                                                                                                                            |  |
|                                                                                     | <b>Classification</b>                                                               | Hydrolase                                                                                                                                                                                                                                            |  |
|                                                                                     | <b>Compound</b>                                                                     | Polymer: <b>1</b> Molecule: <b>Receptor-type tyrosine phosphatase beta</b> Fragment: <b>catalytic residues 1662-1973</b> Chains: <b>A,B</b> EC no. <b>3.1.3.48</b>  |  |
|                                                                                     | <b>Authors</b>                                                                      | Evdokimov, A.G., Pokross, M.E., Walter, R.L., Mekel, M.                                                                                                                                                                                              |  |
| <input checked="" type="checkbox"/> 2i3u                                            |    | <b>Structural studies of protein tyrosine phosphatase beta catalytic domain in complex with inhibitors</b>                                                                                                                                           |  |
|    | <b>Characteristics</b>                                                              | Release Date: 29-Aug-2006 Exp. Method: Resolution: 1.85 Å                                                                                                                                                                                            |  |
|                                                                                     | <b>Classification</b>                                                               | Hydrolase                                                                                                                                                                                                                                            |  |
|                                                                                     | <b>Compound</b>                                                                     | Polymer: <b>1</b> Molecule: <b>Receptor-type tyrosine phosphatase beta</b> Fragment: <b>catalytic residues 1662-1973</b> Chains: <b>A</b> EC no.                                                                                                     |  |
|                                                                                     | <b>Authors</b>                                                                      | Evdokimov, A.G., Pokross, M.E., Walter, R.L., Mekel, M.                                                                                                                                                                                              |  |
| <input checked="" type="checkbox"/> 2i4e                                            |    | <b>Structural studies of protein tyrosine phosphatase beta catalytic domain in complex with inhibitors</b>                                                                                                                                           |  |
|    | <b>Characteristics</b>                                                              | Release Date: 29-Aug-2006 Exp. Method: Resolution: 1.75 Å                                                                                                                                                                                            |  |
|                                                                                     | <b>Classification</b>                                                               | Hydrolase                                                                                                                                                                                                                                            |  |
|                                                                                     | <b>Compound</b>                                                                     | Polymer: <b>1</b> Molecule: <b>Receptor-type tyrosine phosphatase beta</b> Fragment: <b>catalytic residues 1662-1973</b> Chains: <b>A,B</b> EC no. <b>3.1.3.48</b>  |  |
|                                                                                     | <b>Authors</b>                                                                      | Evdokimov, A.G., Pokross, M.E., Walter, R.L., Mekel, M.                                                                                                                                                                                              |  |
| <input checked="" type="checkbox"/> 2i4g                                            |  | <b>Structural studies of protein tyrosine phosphatase beta catalytic domain in complex with a sulfamic acid (soaking experiment)</b>                                                                                                                 |  |
|  | <b>Characteristics</b>                                                              | Release Date: 29-Aug-2006 Exp. Method: Resolution: 1.65 Å                                                                                                                                                                                            |  |
|                                                                                     | <b>Classification</b>                                                               | Hydrolase                                                                                                                                                                                                                                            |  |
|                                                                                     | <b>Compound</b>                                                                     | Polymer: <b>1</b> Molecule: <b>Receptor-type tyrosine phosphatase beta</b> Fragment: <b>catalytic</b>                                                                                                                                                |  |

residues 1662-1973 Chains: A EC no. 3.1.3.48 

## Authors

Evdokimov, A.G., Pokross, M.E., Waiter, R.L., Mekel, M.

 2i4h

Structural studies of protein tyrosine phosphatase beta catalytic domain co-crystallized with a sulfamic acid inhibitor



## Characteristics

Release Date: 29-Aug-2006 Exp. Method:

Resolution: 2.15 Å

## Classification

Hydrolase

## Compound

Polymer: 1 Molecule: Receptor-type tyrosine phosphatase beta Fragment: catalytic residues 1662-1973 Chains: A EC no.

## Authors

Evdokimov, A.G., Pokross, M.E., Waiter, R.L., Mekel, M.

 2i5x

Engineering the PTPbeta catalytic domain with improved crystallization properties



## Characteristics

Release Date: 05-Sep-2006 Exp. Method:

Resolution: 1.70 Å

## Classification

Hydrolase

## Compound

Polymer: 1 Molecule: Receptor-type tyrosine phosphatase beta Fragment: catalytic residues 1662-1973 Chains: A,B EC no.: 3.1.3.48 

## Authors

Evdokimov, A.G., Pokross, M.E., Waiter, R.L., Mekel, M., Klopfenstein, S.

 2rah

Human FBP5 synthase in complex with novel inhibitor



## Characteristics


Release Date: 25-Sep-2007 Exp. Method:

Resolution: 2.00 Å

## Classification

Transferase

## Compound

Polymer: 1 Molecule: Farnesyl pyrophosphate synthetase Chains: A EC no.: 2.5.1.1 

## Authors

Evdokimov, A.G., Barnett, B.L., Eberhardt, F.H., Pokross, M.

